

EPICS seminar at Hefei, China

- **EPICS seminar was held at NSRL, Hefei, China from Mar. 1 to Mar 5, 2004**
 - It is supported by JSPS Core University program.
- **Consists of**
 - Seminar
 - Reports from participate Laboratories
- **Participants**
 - 32 (Shanghei, Beijing, Hefei)
 - 1 from DESY and 1 from K-Star, Korea
 - 10 from KEK

We worked very hard,



EPICS Collaboration Meeting in Santa Fe, May 2004 by N.Kamikubota@KEK

and also enjoyed sights, culture, foods and High-Tech



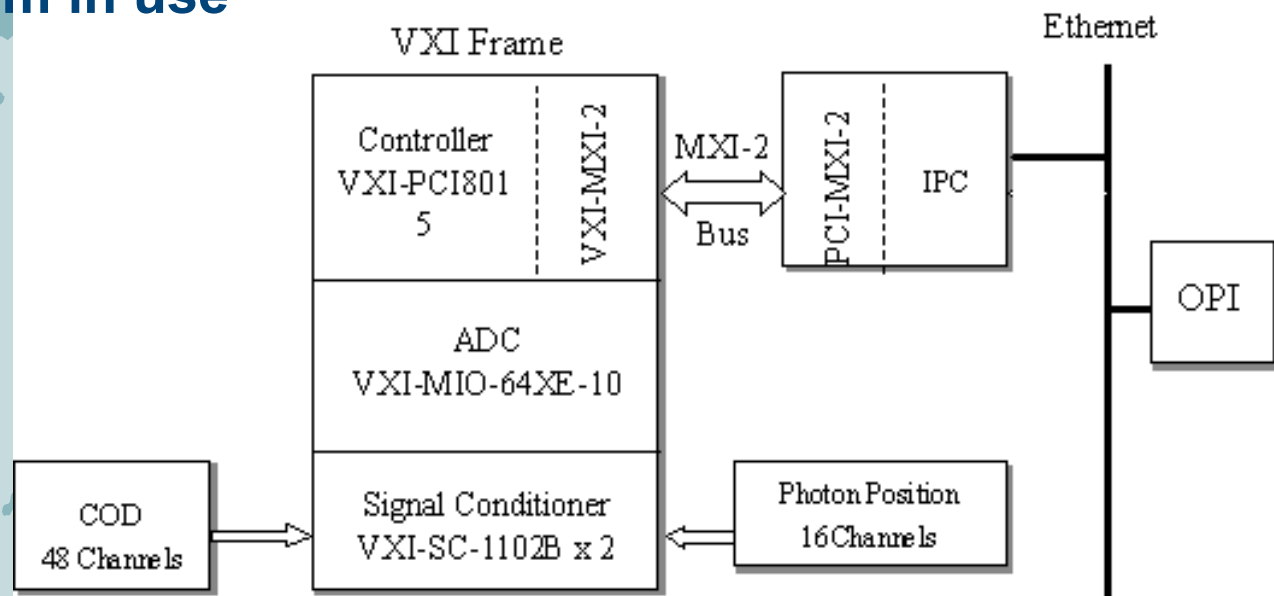
EPICS Collaboration Meeting in Santa Fe, May 2004 by N.Kamikubota@KEK

Hefei Light Source, NSRL, Hefei

- Reported by Liu Gongfa
- 1999~2003: Converted to EPICS based system from old Control system(~1983)
 - OPI: SunWS/server + PC(Lin/Win)
 - IOC: IPC
 - Local Controller: PLC and IPC
 - EPICS 3.13.8
 - 2500 records in the system
 - Medm, Tcl/Tk+SDDS, PHP for Web

Hardware (9)

- **BPM: done by beam measurement group**
 - **VXI**
 - **LabView + ActiveX**
 - **48 bpm Channels**
 - **6 pbpm in use**



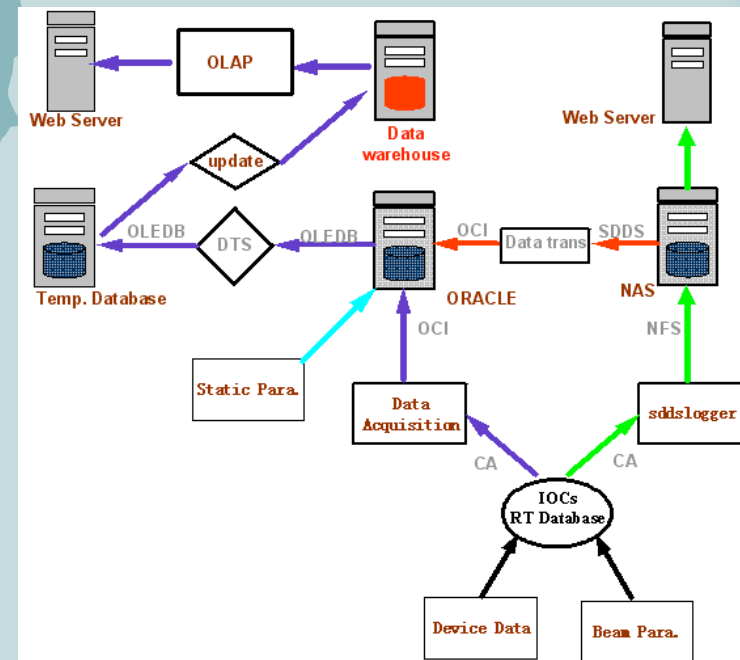
Database(3)

- Data flowchart

Two data acquisition programs:

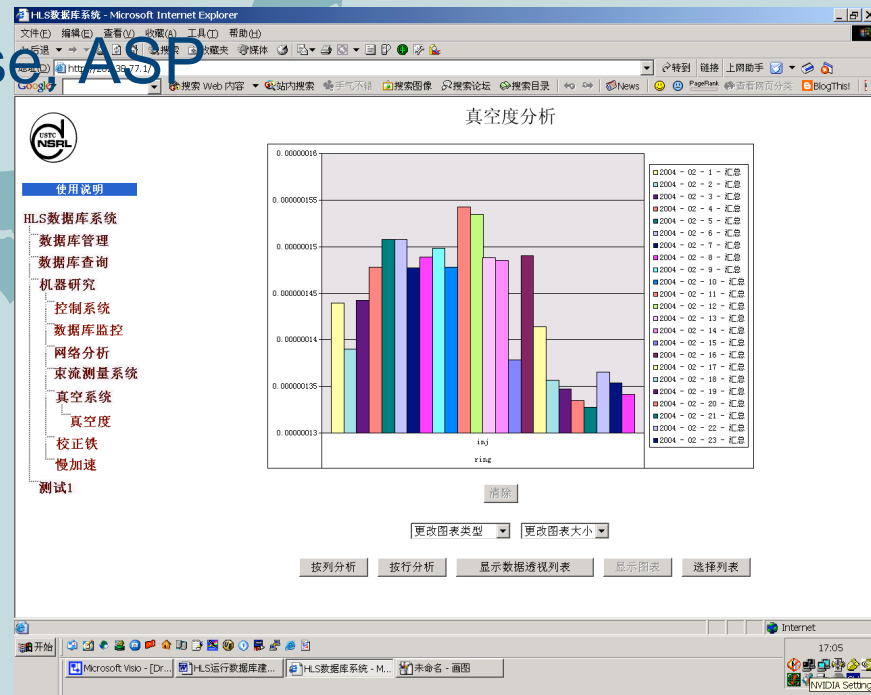
- Sddslogger
- Oracle

- OLTP: On-Line Transaction Processing
- OLAP: On-Line Analytical Processing



Database(6)

- OLAP interfaces
Data warehouse, ASP



Status of the SSRF Project

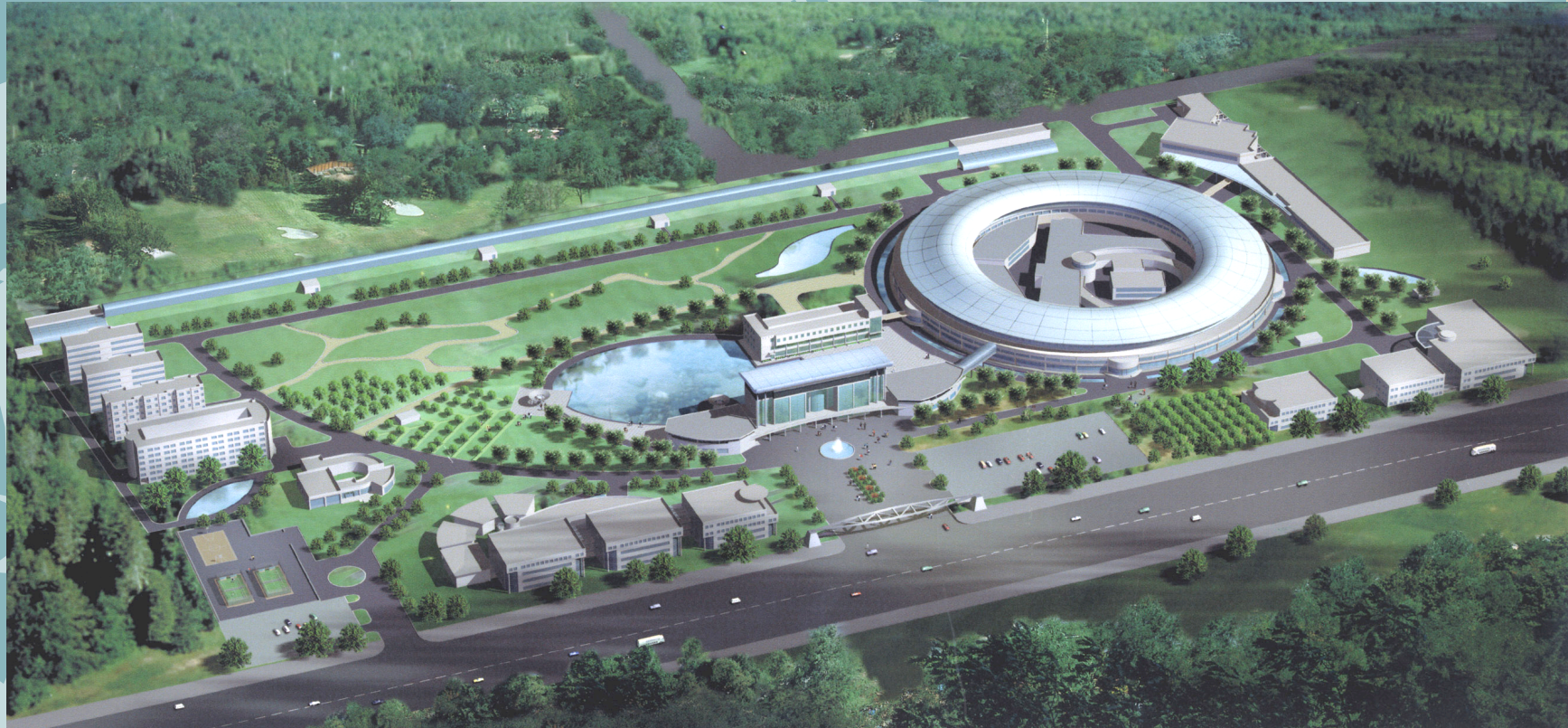
- **SSRF**

- 3.5GeV/300mA/2.95 nm-rad SR Fac.
- 432 m Circ. Ring with 4 X 12m, 8 X 7.0m, 8 X 4.85m straght sections.
- **Formal approval by Government at Jan 7 2004**
- Will be built in Zhang-Jiang High-Teche Park, Shang-hai
- 100MeV Linac control system is under construction and will be commssioned this year.
 - VME IOC
 - DeviceNet, RS-232,DCM()

The SSRF Site in Shanghai

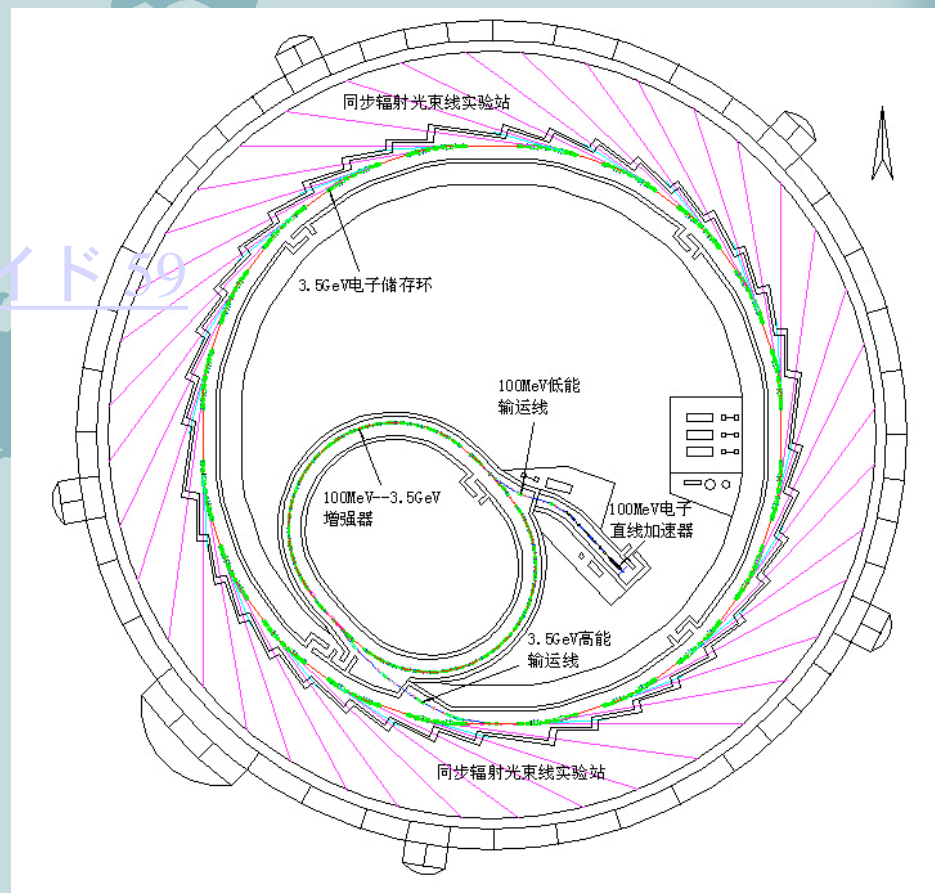


SSRF Main Building Layout

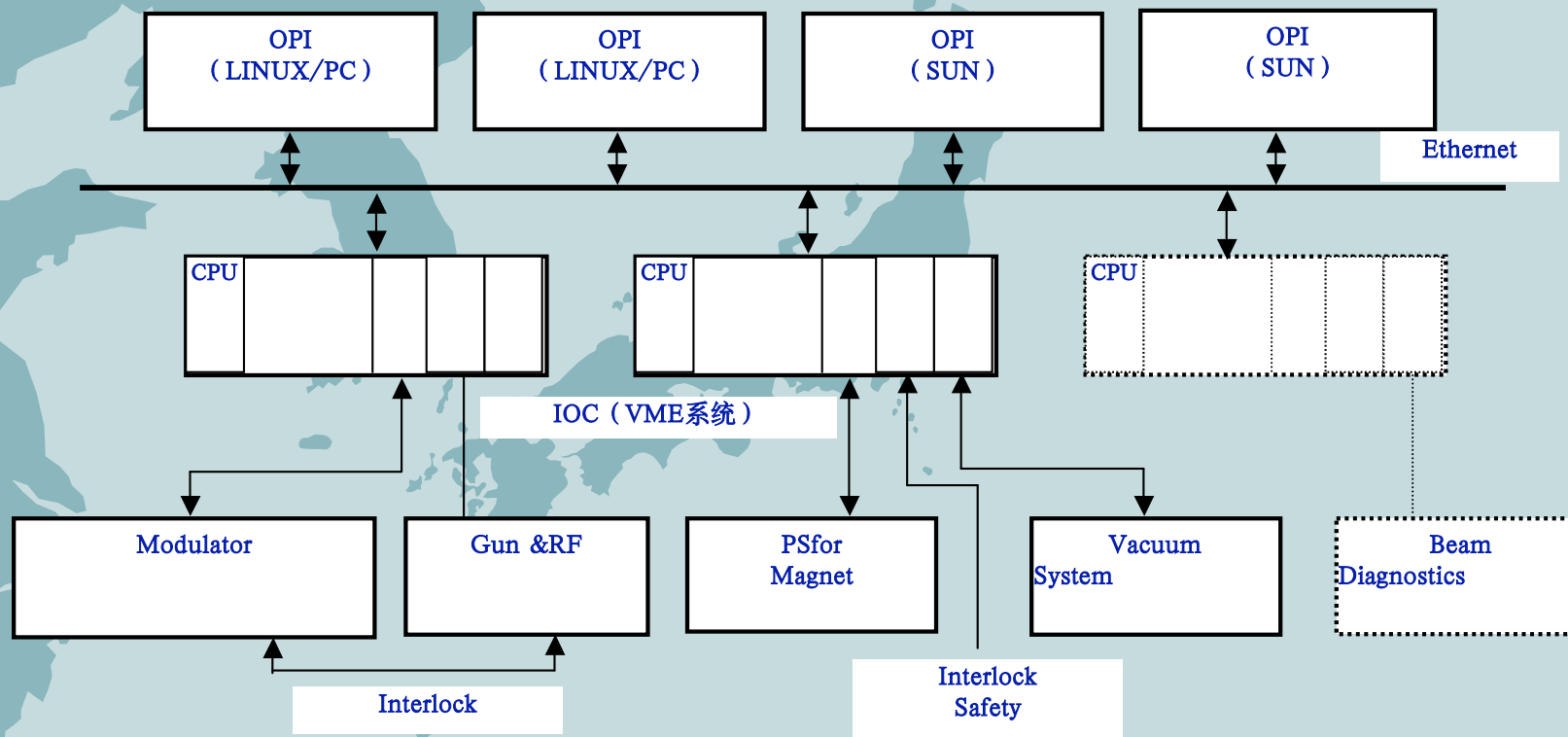


SSRF Accelerator complex

- ❑ 100MeV Electron Linac
- ❑ 3.5GeV Booster
- ❑ 3.5GeV Storage Ring



Layout of 100Mev control system



Cost Estimate and Schedule

☐ Proposed Schedule

Prerequisite the SSRF project could be fully approved before middle of 2004
Jan. 1999 ~ Dec.

Aug. 2004 ~ Nov. 2007	Procurement, Fabrication, Construction, Installation and injector commissioning
Dec. 2007 ~ Oct. 2008	Storage ring commissioning Test operation for SR users

アクション アイテム

所有者

Someone

期日

04.5.1

説明

アクションアイテム